



CATV2400 Wireless Cable TV System

Patent Pending



Set-Up
and
User Manual

Patent Pending (Utility and Design)

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FEATURES:

1. Watch Cable TV on a remote TV, Computer or other CRT device in any room or even outside your home within 300'
2. Transmits CATV (Cable TV) signals or signals from other video devices such as Cameras, DVD Player, VCD, VCR, Satellite Receiver.
3. Transmit range is about 250' indoors (Estimate)
4. Built-in 433MHz and IR remote gives commands over the transmitter and receiver separately.
5. Encoded 433MHz remote avoids interference caused by other 433 products.
6. Memory functions enables the devices to remain on the last used TV channel.

NOTE: Monitor should have RCA input (Composite)

7. FCC/CE Approval

SPECIFICATIONS:

Transmitter:

Frequency:
Transmitting Power
No. of Channels
Video In/Out
Video System
Remote
Power Consumption
Operating Temperature
Weight
Dimensions (WHD)

2400~2483MHz
0dBm(FCC) 10dBm(CE)
4 (2410,2430,2450,2470)
Cable, Air TV, Composite
NTSC or PAL or SECAM
433MHz
DC9V, 500mA
-10C~50C
260g
152x125x35 (mm)

RECEIVER:

Frequency
No. of Channels
Video Out
Remote
Video Output Level
Power Consumption
Operating Temperature
Weight
Dimensions (WHD)

2400~2483MHz
4 (2410,2430,2450,2470)
Composite
433MHz
1 Vp-p
DC9V, 500mA
-10C~50C
140g
117x85x42 (mm)

1

Powering the Transmitter

Plug one of the power adapters into your Transmitter and into an outlet. **DO NOT TURN POWER ON YET**

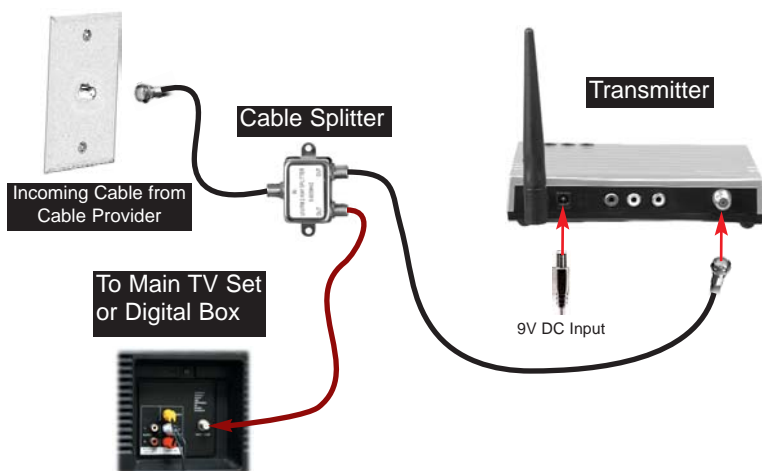


2

Connecting Your Cable to the Transmitter

The cable provided by your service provider

Connect the transmitter to your incoming cable outlet supplied by your cable tv provider. (Use the Cable Splitter if needed)

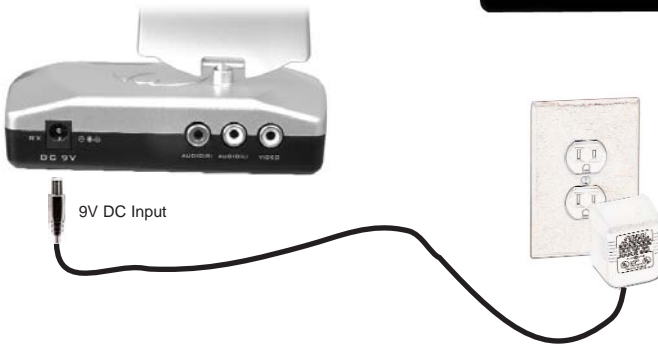


Press the power button on top of the transmitter. You should see a red light on the transmitter will illuminate.

3

Connecting Power to the Receiver

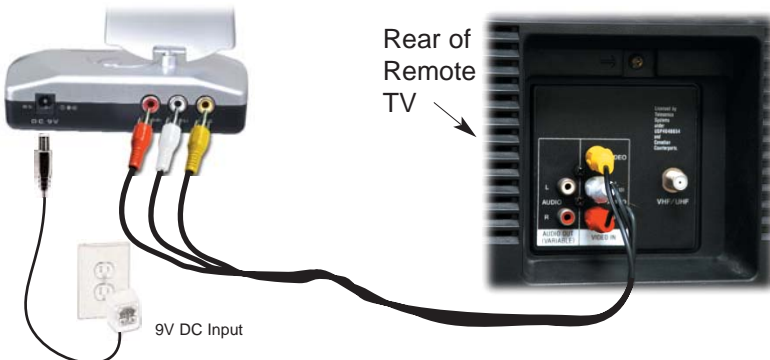
Plug one of the power adapters into your Receiver and into an outlet as shown below. You will see an LED indicating the channel the receiver is utilizing. (This is NOT a TV Channel)



4

Connecting the receiver to Your TV

Connect the RCA plugs from your AngelTrax receiver to your remote TV. Please use special care to match colors from the receiver to the TV. (Red to Red, Yellow to Yellow, White to White)



(STOP) Now, Make sure you turn your remote TV on and set it to Video , Input or DVD, Game, etc....) using the remote control that came with your TV. You should now see a picture on your TV Screen.

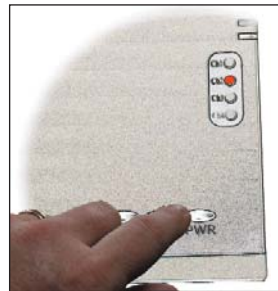
If you have followed steps 1-4 completely, you have completed the basic setup and you are ready to start enjoying wireless cable TV provided the transmitter and receiver are on the same RF channel. If you are NOT receiving a picture, please perform the following steps, 5 & 6.

5

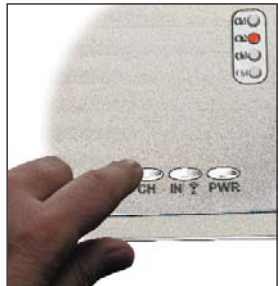
Transmitter Setup

Go to the location of the Transmitter. Make sure the power is on and then select the desired AngelTrax channel by pushing the CH button on top of the transmitter. (Any channel is OK) As long as we select the same AngelTrax channel on the receiver. (If you experience interference, try a different channel) Change the channel on both the transmitter and receiver. They must always match to communicate.

Press the power button on top of the Transmitter. A red light will appear indicating the channel.



Select the desired channel by pressing the CH button on top of the transmitter.



6

Receiver Setup

Go to the location of the Receiver. Make sure the power is on and then select the desired RF channel by pushing the CH button on top of the receiver. (Any channel is OK) As long as you select the same RF channel on the transmitter.



Press the channel button on top of the receiver selecting the same RF channel selected on the transmitter. A red light will appear indicating the channel.



Make sure your TV is ON and it is set to Video, Input 1, AV1, etc...



7

CATV2400 Remote Control

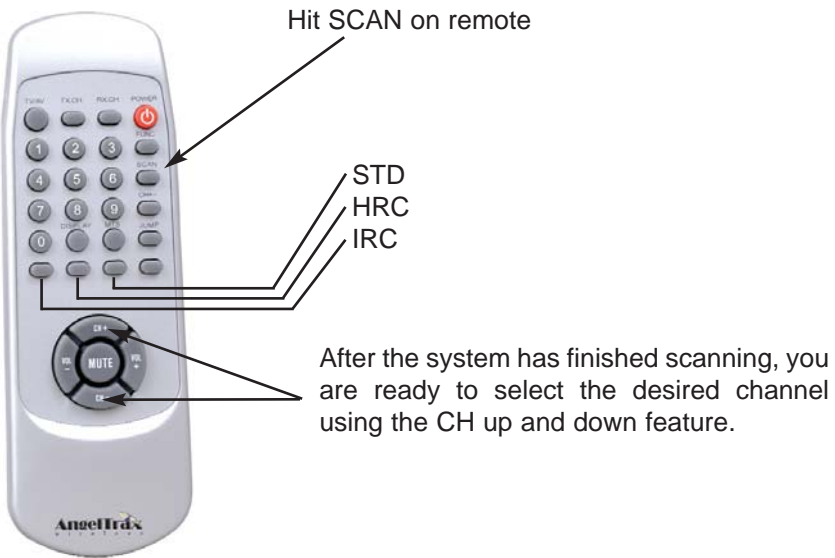
Install the batteries in the the rear pocket of the AngelTrax remote control correctly. Place the battery cover on the remote.



8

Using your Angeltrax Remote to Change TV Channels

After you have installed the batteries, hit the SCAN button on the AngelTrax remote. This will activate the scan feature on the transmitter. You should see your TV scanning through 125 channels. Please wait a few minutes until the system has finished scanning. This may take several minutes.



Quick Troubleshooting

If you receive only channel 5 or channel 6, you are most likely on HRC cable frequencies. The system comes set to STD. To change to HRC, hold the FUNC key while pressing the HRC button as shown above. This will change the system to HRC mode. Now hit the SCAN button and wait for the system to stop scanning.

If you are still having trouble, call us at 1-800-673-1788.

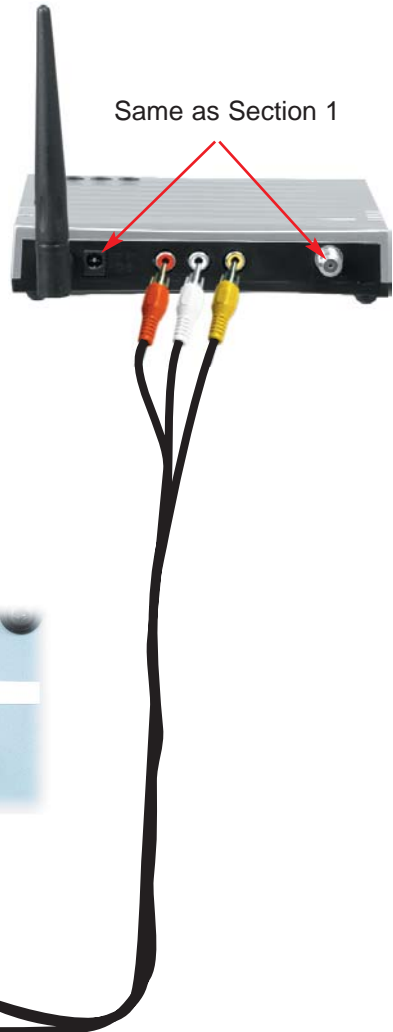
If you experience a high amount of interference, go to <http://www.angeltrax.com/catv2400/interference.asp> for a solution or call 1-800-673-1788 for live technical support.

Digital Cable Box Setup

This section is for customers that would like to use advanced features of the CATV2400 to transmit their Digital Channels, Cameras, DVD or VHS movies.

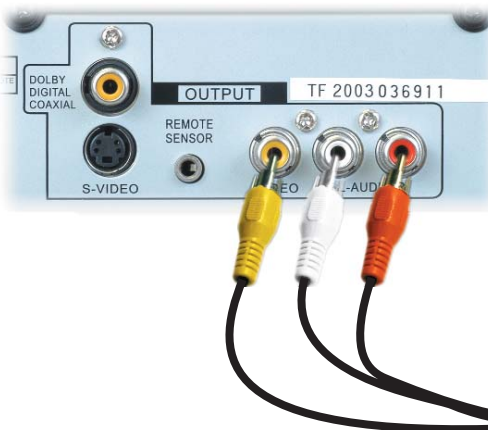
1

Follow the instruction in section 1 for basic connection. Then, connect a set of RCA cables from the Transmitter to your Digital Box as shown in the diagram



Same as Section 1

Digital Cable Box



Note: You can connect any device to the RCA connectors on the back of the transmitter. Such as, Camera, DVD, VHS, etc...

Watch Your Digital Channel

2 Press the AV/TV button on your remote. This will select the RCA input that you just connected from the previous page. To go back to TV, simply hit the AV/TV button on your AngelTrax remote again.



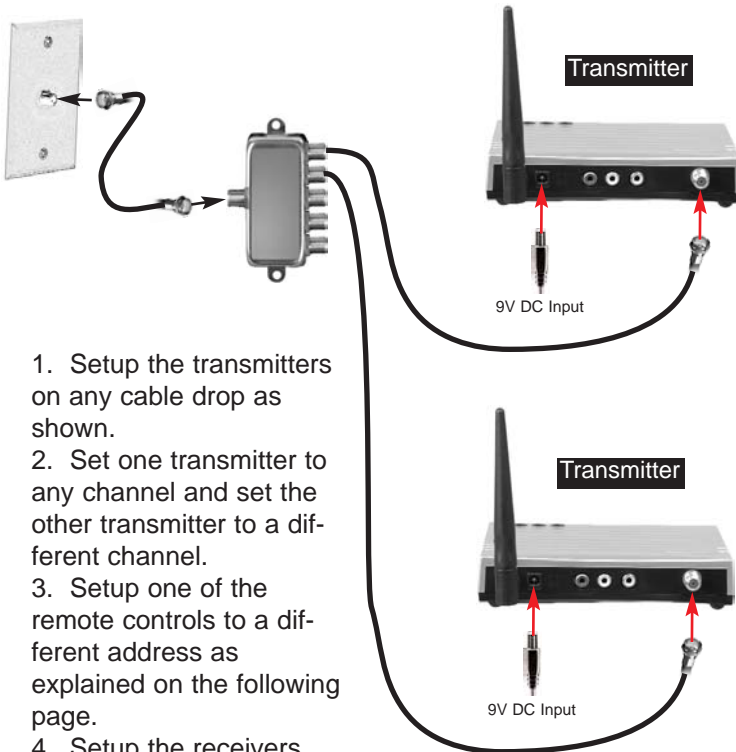
Remote Control Function

Power	Power On/Off the transmitter
TX. CH	Switch 2.4GHz transmitting channels of Tx
RX. CH	Switch 2.4GHz receiving channels of Rx
TV/AV	Switches TV and Video input on transmitter
FUNC*	Sets up an new encoded address of the remote
SCAN	Automatically scans all TV channels
CH + -	Adds or deletes TV channels
CH+/CH-	Switches TV channels in sequence
VOL+/VOL-	Turns up or down the output volume
MUTE	Silent
DISPLAY	Shows OSD status
JUMP	Turns back to the previous TV channel
MTS	Bilingual system
0-9	Selects a TV channel directly by pressing number keys

Use Multiple Systems for 2 or more rooms

1

The CATV2400 is fully capable of operating in multiple locations in the same home, on the same cable system and still being completely independent of each other and all other TVs. Follow the instruction below to connect multiple systems on the same cable drop.



1. Setup the transmitters on any cable drop as shown.
2. Set one transmitter to any channel and set the other transmitter to a different channel.
3. Setup one of the remote controls to a different address as explained on the following page.
4. Setup the receivers the same as explained in section one.

Setting the remote Control for Multiple System Use.

2

Only perform the following if your remote is not working or if you want to use multiple CATV2400 systems.

Remote Control Setup

1. Make sure the batteries are installed correctly.
2. Make sure the transmitter is ON.
3. Press and hold the FUNC button on the remote. DO NOT release it.
4. While holding the FUNC button, press a number key (1~9) to store a new encoded address.
5. Release both buttons.
6. Disconnect the power from the Transmitter. Reconnect the power to the Transmitter (Do Not Turn the Transmitter on)
6. Press Red power button on the remote immediately following Re-connection of Power cable of the transmitter. (Within 5 Seconds) When you press the Red Button, this should turn the transmitter ON. If not, repeat the steps above all within 5 seconds.

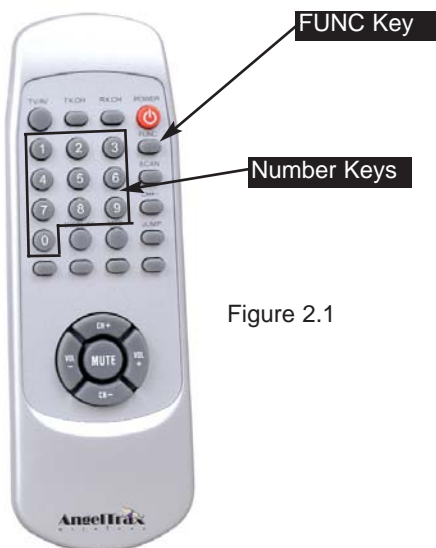


Figure 2.1

Your remote is now programmed to your wireless transmitter.

Note: All remotes come set to FUNC / 1 as the default setting. In the case of multiple systems, choose a number between 2-9 on one of the remotes.

Trouble Shooting

Please read this user manual carefully before using the Wireless CATV System. If you still have difficulties using this product, please consult the following which will help you solve the most common problems.

No picture or sound

- Check and make sure the DC adapters are connected correctly.
- Check and make sure all cables are connected correctly (Yellow to Yellow, Red to red and White to White)
- Make Sure the transmitter is turned on by remote or tact switch.
- Make sure the transmitter is NOT out of range. If so, the transmitter or the receiver needs to be relocated. (Always locate the Transmitter to the closest cable drop to that of the remote TV)

Interference in picture or sound

- Check if there is any interference radio frequency source near your place such as microwave oven and cordless phone. If so, call 1-800-673-1788 for assistance.
- Check if there is any other 2.4GHz wireless product working near your place such as WLAN, Bluetooth wireless products. If so, switch to a new transmission channel. If you still have interference, go to www.angeltrax.com/catv2400/troubleshooting.asp or call 1-800-673-1788

Signal loss (no response) in remote control

- Check if the batteries are well and installed correctly.
- Check if the encoded address of the transmitter and the remote is matched. (See remote Control Setup, Section 2)

Warranty

This warranty gives you specific legal rights that vary from state to state. IVS, Inc. warrants this product to be free from defects in material and workmanship under normal use and service for a period of one (1) year from the date of original purchase. The terms and conditions of said warrant are as follows:

1. The date of purchase and proof of an AngelTrax Authorized Dealer must be established by original sales receipt which must accompany the unit being returned for warranty service.
2. Item must be returned to the factory in the original carton or equivalent freight PPD. If unit is received with S/N removed or defaced, warranty is void.
3. This warranty shall not apply to any unit that has been used for a purpose for which it was not designed or any unit that has been altered in any way. Evidence indicating that the unit was not properly used will void warranty.
4. AngelTrax Wireless does not authorize any other persons to assume liability in connection with it's products. This warranty is the only express warranty made by IVS, Inc. to this product. Any implied warranty or merchantability or fitness for a particular purpose applicable to IVS, Inc. products is limited in duration to the duration of this limited warranty. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts. Therefore the above limitations may not apply.
5. In the unlikely event that warranty becomes necessary, contact your local AngelTrax Authorized Dealer for assistance with the return and repair of your product. If an authorized dealer is not available, contact us at 1-800-673-1788 to obtain an RMA# and instructions.
6. Warranty is valid in USA only

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AngelTrax Wireless
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AngelTrax
w i r e l e s s